CZECHOSLOVAKIA/Inorganic Chemistry. Complex Compounds.

Abs Jour: Ref Zhur-Khim., No 15, 1958, 49793.

Author : Satava, Vladimir; Korbl, Jiri.

Inst

: Analytical Use of Silver Permanganate. VII. Thermal

Title

Decomposition of Silver Permanganate.

Orig Pub: Chem. listy, 1957, 51, No 1, 27-35; Sb. chekhosl. khim. rabot, 1957, 22, No 5, 1380-1389.

Abstract: Study of chemical and physical processes of thermal decomposition of Agranos. At first the decomposition of AgMnO# takes place analogously to the decomposition of other permanganates; in the course thereof 2 the anion MnO+ undergoes reduction mostly to Mn₄05; however, the course of the reaction is affected by a number of factors (nature and the duration of

: 1/3 Card

Per Inst Charme & Bischem.

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CZECHOSLOVAKIA/Analytical Chemistry. General Questions.

E-1

Abs Jour: Ref Zhur-Khim., No 13, 1958, 42989.

Author : I. Korbl Jiri, Pribil Rudolf

II. Korbl Jiri, Kraus Eduard, Jancik Fedir, Pribil

: Metallochromatic Indicators. I. Preliminary Communication. II. 3,4-Dihydroxy-4'-Nitroazotenzene and Title

3,4-Dihydroxy-Azobenzene-4'-Sulfonic Acid as Simple Metallochromatic Prototypes of Pyrocatechol Violet.

Orig Pub: Chem. listy, 1957, 51, No 2, 302-310; 311-314; Sb.

chekhosl. khim. rabot, 1957, 22, No 4, 1122-1130.

Abstract: I. Indicators used in complexometry can be subdivided into 3 groups: 1) Colorless compounds which produce a characteristic color with definite cathions, the chromophore being in this

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CZECHOSLOVAKIA/Analytical Chemistry. General Questions. **APPROVED FOR RELEASE: 03/13/2001**

Abs Jour: Ref Zhur-Khim., No 13, 1958, 42989.

case the deformed cathion (salicylic and sulfo-salicylic acid, tyrone, NHuSCN, KI, thiouren); 2) Substances which produce with certain cathions a turbidity or strongly colored adsorption products (oxalic acid, gallocyanianin); 3) Organic dyestuffs capable of forming complexes with a sharp change in color (murexide, Eriochrome Black T, Pyrocatechol Violet (I), Pyrogallol Red, Xylenol Orange, etc.). Substances of the last mentioned group must be regarded as complexometric indicators in the direct meaning of the term; they are being designated as "metallochromatic indicators" (MI). All MI have the properties of acid-base indicators and also include complex-forming groups which are a part of

: 2/5 Card

CZECHOSLCVAKIA/Analytical Chemistry. General Questions.

E;- X

Abs Jour: Ref Zhur-Khim., No 13, 1958, 42989.

the effect of the other substituents. The properties of suitable MI are determined from this standpoint. II. By coupling of diazotized p-nitraniline or sulfanilic acid were prepared 3,4-dihydroxy-4'-nitro-azobenzene (II) and the Na-salt of 3,4-dihydroxy-azobenzene-4'-sulfonic acid (III), which are the simplest forms of MI of I type. MI II and III can be utilized for complexometric determination of the same cathions which are determined with I. All 3 indicators have the same complex-forming groups, as a result of which they differ from one another only in range and pH interval of color changes on formation of complexes with the cathions. On determination of Bi with III better results were obtained than with I. The

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E-2

-KORLL JINI

CZECHOSLOVAKIA/Analytical Chemistry - Analysis of

Inorganic Substances.

Abs Jour

: Ref Zhur - Khimiya, No 8, 1958, 24756

Author

Korbl Jiri, Pribil Rudolf

Inst

: Complexometric Titration (Chelatometry). XXIX. Selective

Title

Masking and Determination of Mercury.

Orig Pub

: Chem. listy. 1957, 51, No 4, 667-671; Sb. chekhosl. khim.

rabot, 1957, 22, No 6, 1771-1776

Abstract

: Thiosemicarbazide (I) is used as a new selective reagent for the masking of Hg ?! In an acidic medium I forms with Hg 3 a white rapidly darkening precipitate which dissolves in an excess of I to form a colorless solution in which Hg is combined with I as a very stable complex. In an alkaline solution this complex is decomposed with separation of HgS. Ag, Cu and Fe³⁺ also react with I; other cathions either do not react with I, or form

Card 1/3

17

CIA-RDP86-00513R000824530011-7" **APPROVED FOR RELEASE: 03/13/2001**

E-2

Korbl, Jiri

CZECHOSLOVAKIA/Analytic Chemistry - Analysis of Inorganic substances.

: Ref Zhur - Khimiya, No 10, 1958, 32159 Abs Jour

: Jiri Korbl, Rudolf Pribil

: Complexometric Titration (Chelatometry). XXV. Methylthy-Author Inst Title

mol Blue - New Metal-Chrome Indicator of Complexone

Type.

Chem. listy, 1957, 51, No 6, 1061-1067 Orig Pub

3,3'-bis-N,N-di(carboxylmethyl)aminomethylthymolsulfophthalein (I) called "methylthymol blue" by the authors is Abstract

proposed as a new metal-chrome indicator. The Na salt of I dissolves easily in water producing a stable enough solution; it does not dissolve in CoH5OH. Being acidbasic, the indicator I has 4 pH ranges of color transitions: pH less than 0 (red - yellow), pH between 6.5

and 8.5 (yellow - light blue), pH between 10.7 and 11.5

Card 1/3

E-1 CZECHOSLOVAKIA / Analytical Chomistry. Goneral. Abs Jour : Rof Zhur - Khim., No 15, 1958, No 49940 : Kortl. Jiri. uthor * Motallochromic Indicators. III. Proparation of 3,3 -bis-Inst -N, N-di(carboxymothyl)aminomothylthymolsulfonophthaloin Titlo (Mothylthymol Blue). : Chom. listy, 1957, 51, No. 7, 1304 - 1306; Sb. chokhosl. khim. rabot, 1957, 22, No. 6, 1789-1792. Orig Pub Abstract : The proparation of 3,3:-bis-N, N-di(carboxymothyl)-aminomothylthymolsulfonophthaloin (Mothylthymol Blue) (I) or of its Na_A sult used as a metallochromic indicator is described. Eight g of Na salt of iminediacetic acid is heated with 50 ml. of glacial CH3COOH until it dissolves, the solution is cooled, and 9.3 g. of thymolsulfonophthaloin and 4 ml. of 37% aqueous solution of CH O [sic] are added to card 1/3

E-2

Korbl, Tiri

CZECHOSLOVAKTA/Analytic Chemistry - Analysis of Inorganic

Substances.

Abs Jour

Ref Zhur - Khimiya, No 10, 1958, 32161

Frantisek Buben, Jiri Korbl, Rudolf Pribil

Author Inst Title

Complexometric Titration (Chelatometry). XXXI. Analysis of Calcium-Disodium Salt of Ethylenediaminetetraacetic

Acid.

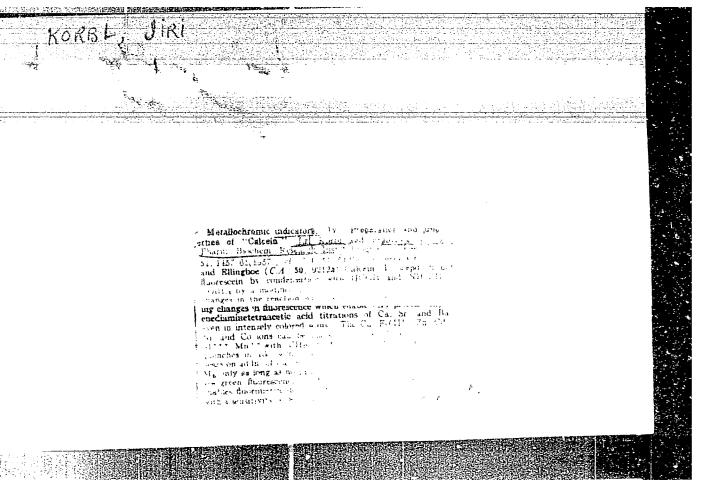
Orig Pub

Chem. listy, 1957, 51, No 7, 1307-1311

Abstract

A rapid complexometric method of determination of free and total Ca and complexone III (I) in the Ca-Na2 salt of ethylenediaminetetraacetic acid (II) and pharmaceutical preparations was developed. The application of methylthymol blue (III) as an indicator in acid and alkaline media permits to determine all the components using one weighed sample. The sample to be analysed and containing 200 to 300 g of II is dissolved in 100 mlit

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KOKOL, J.

CZECHOSLOVAKIA / Analytic Chemistry. General Topics.

E

Abs Jour: Ref Zhur-Khimiya, No 18, 1958, 60556.

: V - Jiri Korbl, Bohumil Kakac; VI - Jiri Korbl, Author Rudolf Pribil; VII - Jiri Korbl, Eduard Kraus,

Rudolf Pribil.

Inst Title | : Metallochromic Indicators. V. Properties of Methylthymol Blue as of Acid-Base Indicator. VI. Analogues of o-Cresolphthalein Complexon. VII Glycinethymol

Blue.

Orig Pub: Chem. listy, 1957, 51, No 9, 1680-1685; No 10, 1804-1808; 1809-1813.

Abstract: The behavior of methylthymol blue (I, 3,3'-bis-N,

Card 1/11

60

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CZECHOSLOVAKIA / Analytic Chemistry. General Topics.

E

Abs Jour: Ref Zhur-Khimiya, No 18, 1958, 60556.

Abstract: valent of NaOH. It may be assumed from the shape of the titration curve that the values of pK₁ to pK₃ of I under 4.5 are close one to another; the corresponding proton detachment of I proceeds without any color change. The magnitude of pK₄ may be assumed to be 7.3. The light absorption curves of 8.10⁻⁵ M solution of I at various pH-s within the range from 5 to 14 are crossing at isobestic points in the majority of cases and depending on the light wave length, which indicates simple equilibria of the corresponding I ions. The values of pK₄ = 7.2, pK₅ = 11.15 and pK₆ = 13.4 were obtained from the course of the extinction curve of a 8.

Card 3/11

Card 4/11

61

CZECHOSLOVAKIA / Analytic Chemistry. General Topics.

 \mathbf{E}

Abs Jour: Ref Zhur-Khimiya, No 18, 1958, 60556.

Abstract: ties of 3,3'-bis-N,N-di-(carboxymethyl)-aminomethyl derivatives of phenolphthalein (phenolphthalein complexon, III) and thymolphthalein (thymolphthalein complexon, IV) were studied and a comparison with the analogous derivative of o-cresol-phthalein (o-cresolphthalein complexon, V was carried out). Schwarzenbach and his doworkers proposed V as an indicator for complexometric determination of alkali-earth metals. The regions of color changes of III, IV and V depending on pH coincide with the regions of corresponding initial acid-base indicators according to spectrophotometric measurements. But the weak coloration of III, IV and V appears

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CZECHOSLOVAKIA / Analytic Chemistry. General Topics.

E

Abs Jour: Ref Zhur-Khimiya, No 18, 1958, 60556.

Abstract: already at pH = 7 to 8; it becomes more intensive with the rise of pH in consequence of the formation of colored ions. The color intensity of individual forms depends on the fact, whether a symmetrical, or an asymmetrical resonance system is being produced, at which occasion it is necessary to take into consideration the hydrogen bridges between the phenol O-s and N atoms. The alkaline form of III is purple, that of IV is blue, and that of V is violet. A qualitative color change from blue into reddish-gray is observed in IV near pH = 12. The color of III becomes weaker at pH = 13 to 14 analogously to the initial indicator. The least and, consequently, the most favorable intensity rise of the coloration proper together with pH is observed at IV. III, IV and V possess

Card 6/11

62

CZECHOSLOVAKIA / Analytic Chemistry. General Topics.

Abs Jour: Ref Zhur-Khimiya, No 18, 1958, 60556

Abstract: the metallochromic properties only in an alkaline medium contrarily to analogous derivatives of sulfo phthaleins. I with Ca2+, Sr2+, and Ba 2+ produces colored reactions. Many other cathions cause blocking of III connected with its discoloration; a blocked III does not react with cathions, with which it would produce a positive reaction otherwillen to would produce a positive reaction other wise. IV and V behave similarly, but cases of their blocking occur more seldom. The positive their blocking occur more seldom. The positive color reaction of III, IV and V with Ca2+ are still color reaction of III, IV and V with Ca2+ are still color reaction. clear enough at pH = 9, but with Sr2+ and, first of all, with Ba2+ they are already expressionless. To the contrary, the intensity of III coloration

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of a N-carboxymethyl group from 1-oxy-2-N,N-di-(carboxymethyl)-aminomethylaryl complex producing

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CZECHOSLOVAKIA / Analytic Chemistry. General Topics. E
Abs Jour: Ref Zhur-Khimiya, No 18, 1958, 60556.

Abstract: groupation in combination with II. Its preparation by the condensation of II with formaldehide and glycine is similar to the preparation of I. The Na salt of VI is a dark brown powder easily soluble in water. The first acid-base transition of VI from a yellow coloration into a red one is shifted to the range of lower pH magnitudes as compared with II (pH = 2.8 to 1.2). The second transition of VI color (yellow - blue) takes place approximately in the same range of pH as in case of I; the intensity decrease of the blue coloration is not clear enough at high values of pH in the case of VI. The complex formation properties of

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CZECHOSLOVAKIA / Analytic Chemistry. General Topics.

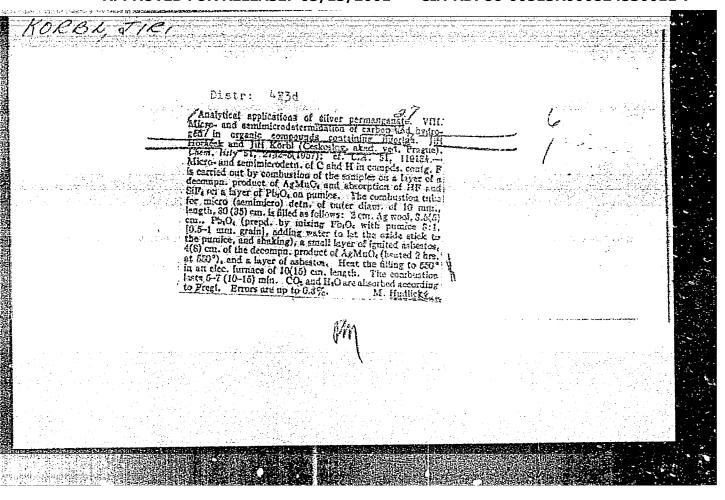
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Abs Jour: Ref Zhur-Khimiya, No 18, 1958, 60556.

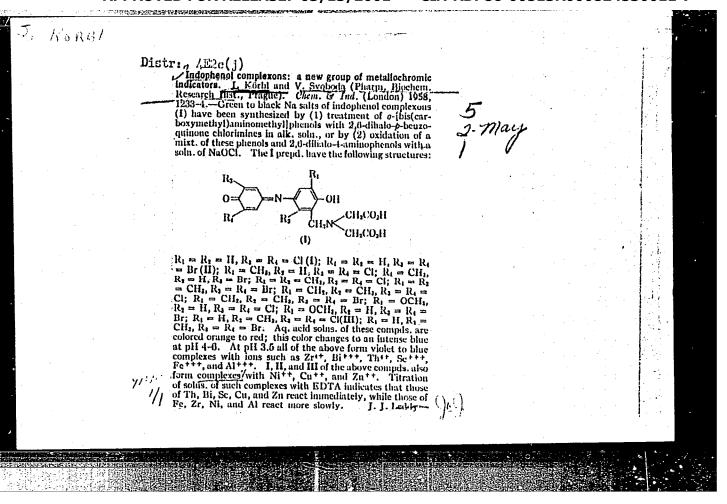
Abstract: VI are lower as compared with I or other similar indicators (Ni²⁺, Fe³⁺ and Pd²⁺ produce complexes). Starting from pH = 3. VI produces complexes of dark blue color with numerous cathions at various pH magnitudes. At the titration with ethylendinitrilotetraacetic acid (VII) solution, the color transitions are clear in the case of Cu²⁺, Zn²⁺, Pb²⁺ and Hg²⁺, and they are lengthy in the case of Pd²⁺, Ni²⁺, Co²⁺ and Fe³⁺. The application of VI is practically important first of all for the direct complexonometric determination of Cu²⁺ in an acid medium; VI is suitable for that purpose more than 1-(2-pyridylazo)-2-naphthol or variamine blue B first of all because the Cu complex is well soluble and due to the clear change of color. Method of work: a corresponding volume of 0.05 M

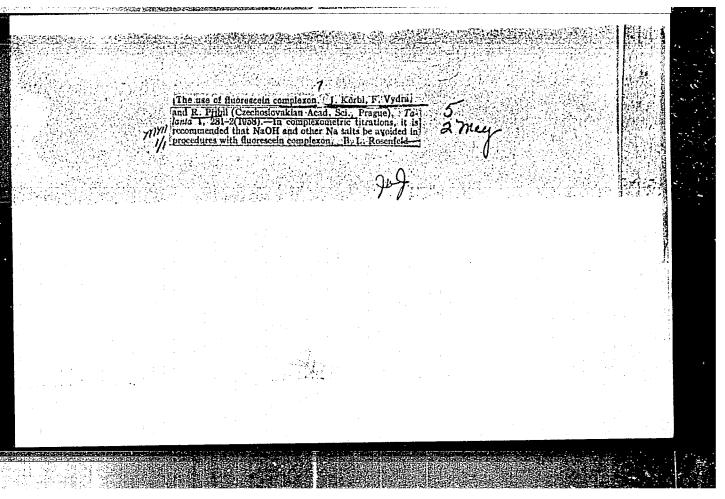
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	Compleyometric fitrations (cheletometry) XXXV Indirect determination of aluminary with Ajeurol Orange Milosiay Housia, 19th Kerd Vindran Trans. (1967). cf. C.A. 52, 2002. the di-Na salt of ethylenediaminetetracectic acid (I) with an adequate velocity in slightly acid solus. (9H 3). At higher pH values, or in the presence of grad conts. (9H 3). At higher pH values, or in the presence of grad conts. (9H 3) and the sales of the content of land to the l





KORBL, J.

Progress in complexometry in Czechoslovakia. In German. p. 395.

CHEMIA ANALITYCZNA. (Komisja Analityczana Polaskiej Akademii Nauk i Naczelan Organizacja Techniczna) Warszawa, Poland, Vol. 3, no. 3/4 1958

Monthly List of East European Accessions (EEAI) LC, Vol. 8, no. 7, July 1959 Uncl.

Country : CZECFOSLOVAKIA : Chemical Technology. Pharmaceuticals. Vitamins. Category Antibiotica : Ref Zhur-Khimiye, No 14, 1959, No 50715 Abs. Jour : Buben, F.; Korbl, J. Author Institute : -: Complexometric Titration Employed in Pharma-Htle centical Analyses. XVII. Determination of Bismuth : Ceskosl. farmac., 1958, 7, No 2, 78-79 Orig Pub. : Developed is the direct complexometric method Abatract for quantitative determination of Bi in pharmacentical preparations. It is based on the titration of Bi ions at a pH of approx. 1.0 with 0.05 M solution of "chelatone-3" and with the use of methylthiomole blue or xylenole orange as indicators. An organic Bi compound has to be converted into an inorganic form by boiling it with a mixture (1:1) of 70% HC104 and 35% HW03. It is proposed to intro-1/2Card: H-17 Country

GZECHOSLOVAKIA/Analytic Chemistry. Analysis of Inorganic Substances.

E

Abs Jour: Ref Zhur-Khim., No 23, 77218.

Author : Pribil Rudolf, Korbl, Jiri; Kysil, Bohdan, Vobora,

Jirl.

Inst

Title : Complexometric Titration (Chelatometry). XXXVI.

To Sequestering of Iron by Triethanolamine. Calcium

Determination Using Thymolphthalein Chelate as

Indicator.

Orig Pub: Chem. listy, 1958, 52, No 2, 243-246.

Abstract: A rapid method of complexometric determination of

Ca in the presence of great amounts of Fe³ after it has been sequestered by triethanolamine (I) is described. Should ethylenedinitrylotetracetic

Card : 1/3

CZECHOSLOVAKIA/Analytic Chemistry. Analysis of Inorganic Substances.

Abs Jour: Ref Zhur-Khim., No 23, 77218.

acid (II) solution be previously added to an iron containing solution to be analyzed in the amount equivalent to about 1/3 of the content of iron, colorless solutions would be obtained after the addition of I and alkalisation, which facilitate the precise titration of Ca even if the Fe concentrations were high. Thymolphthalein chelate (III) is a suitable indicator. For the determination of Ca, an excess (12 to 25 ml) of 0.05 M II solution and 5 ml of I solution (1:2) are added to 50 ml or less of weakly acid solution to be analyzed containing 2 to 40 mg of Ca and up to 84 mg of Fe. The prepared brown colored solution is alkalized with 1 n. NaOH solution (up to 10 ml)

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58

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Country

: CZECHOSLOVAKIA

B

Category

: Analytical Chemistry. General Problems

Abs. Jour : Ref Zhur - Khim., No 5, 1959, No. 15038

Author

: Korbl, J.; Pribil, R.

Institut.

: Complexometric Titration (Cholatometry).

Title

XXXVIII. On the Sensitivity of Indicators and

Titration Errors in Complexometry

Orig Pub.

: Chem. listy, 1958, 52, No 4, 601-610

Abstract

: Several mathematical formulae were derived for the purpose of evaluating the sensitivity and accuracy of complexometric titration. The processes which take place during complexometric titrations are similar to processes which oc-cur during acid-base titrations: in complexo-metry the complex of metals (M) corresponds to the water which forms as a result of the neutralization reaction. The anions of weak acids and cations of weak bases play the same role

Card:

1/10

Country Category CZECHOSLOVAKIA

: Analytical Chemistry. General Problems.

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Aba. Jour

: Ref Zhur - Khim., No 5, 1959,

No. 15038

Author

Institut.

Title

Orig Pub.

Abstract Cont'd

: the M which can be expressed through the concentration of M at the apparent point of equivalence which had not reacted with the titrant. The titration error in complexometry, or its indicator according to Flashka, p = CY/CM (Cy and CM are, respectively, the total con-centrations of the reagent and M at the apparent point of equivalence), can be mathematically expressed as a function of sensitivity of the indicator U, value of CM, apparent constant of the formation of K/aH, as well as of

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abs. Jour : Ref Zhur - Khim., No 5, 1959,

No. 15038

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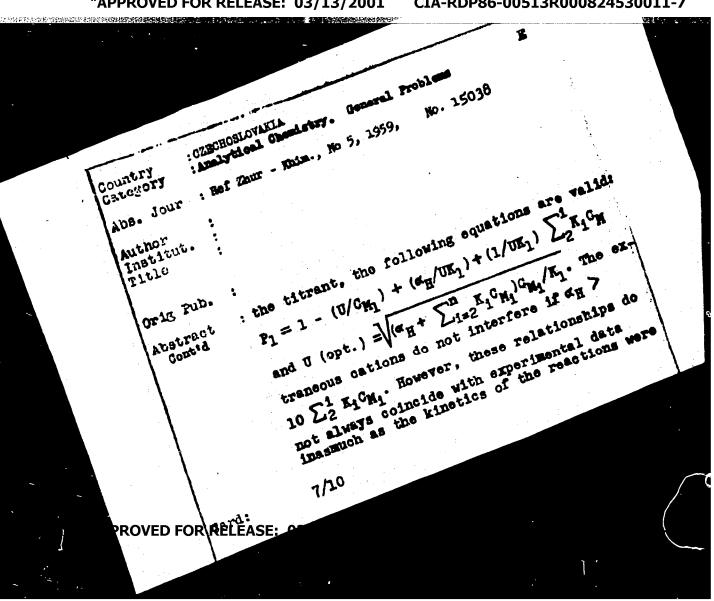
Orig Pub.

Abstract Cont'd

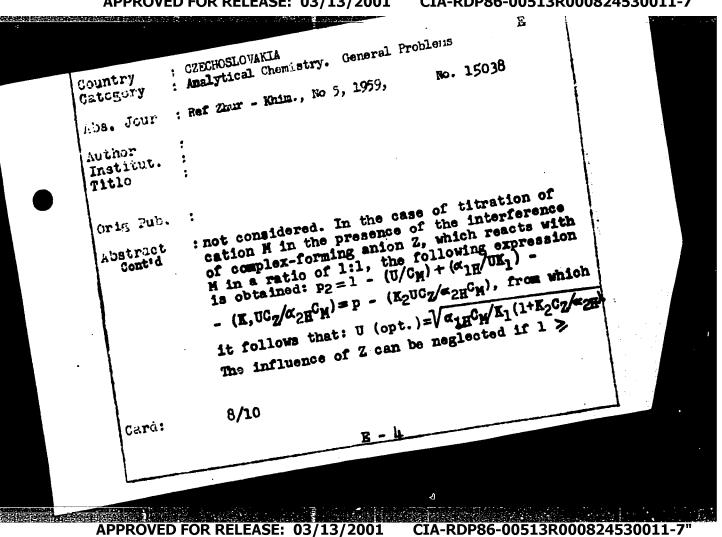
: titration error is expressed by the formula: $p = 1 - (U/C_M) + (\alpha_H/UK)$, where K is the true constant of formation. In the case of a zero titration error, p = 1, and consequently, U $(opt.) = V C_{H} \alpha_{H} / K$. According to its dependence on CM, U (opt.) differs from the analogous value of acid-base indicators. During titration of the cation M₁, in the presence of cations M2, M2 ... M1, which also partially reacts with

Cará:

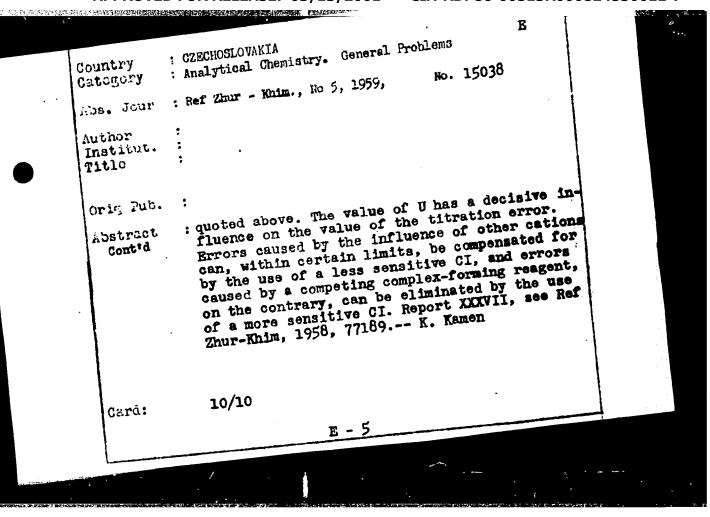
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: CZECHOSLOVAKIA Country Analytical Chemistry, General Problems, Category Abs. Jour : Ref Zhur - Khim., No 5, 1959, No. 15038 Author Institut. Title Orig Pub. Abstract : $10K_2C_2/\alpha_{2H}$. Analogous results are also valid Cont'd for other reaction ratios between M and Z. The influence of CI itself as the complex-forming reagent in two-color CI cannot be taken into consideration if work is conducted in the area of CI concentrations where U does not depend on CCI; however, this does not occur in the case of unicolored CI. Titration errors in separate cases can also be found on the basis of a nomogram constructed by means of the ratios Card: 9/10



: Analytical Chemistry - Analysis of Organic E-3 COUNTRY CATEGORY 1959, 40. 23120 Substances. AB3. Jour. : aZKhim., Ko.7

: Knizakova, E.; Korbl, J.

AUTHOR

: Analytical Use of Silver Permanganate. IX. "Isothermal" Product of Silver Permanganate THEFT. Decomposition as Combustion Catalyst in * TITLE

ORIG. PUB. : Chem. listy, 1958, 52, No 4, 750-751

: An improvement of the procedure of preparation of the product of thermal decomposition of AgMnO,, used as catalyst in elementary analysis of organic substances ABSTRACT (RZhKhim, 1956, 47244). The catalyst obtained by the new procedure does not sinter in the combustion tube. AgMnO, is prepared as previously described, of average crystal size 1 x 1 x 3 mm, and is heated in a layer < 2-3 mm for 24 hours in a drying oven at 90-95°, after which it is calcined for 1-3 hours at 500°. Under these conditions the catalyst retains the shape and dimensions of AgMnC, crystals, and its permeability lasts for a long time. Such a catalyst has yielded good results in semi-micro-determinations of C and CARD: 1/2

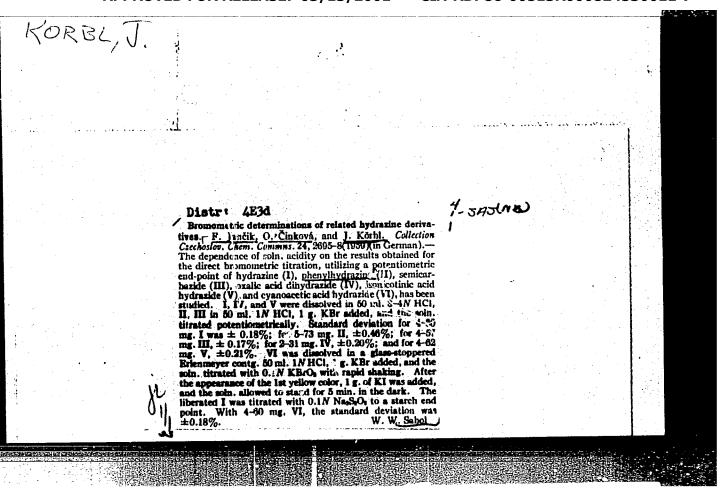
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KORPL, J.; HORACEK, J.

"Analytic application of silver permanganate." VIII. Micro- and semindero determination of carbon and hydrogen in organic compounds containing fluorine. In German. p. 286.

COLLECTION OF CZECHOSLOVAK CHEMICAL COMMUNICATIONS, Praha, Czech., Vol. 24, No. 1, Jan 1959.

Monthly List Of East European Accessions (EEAI), LC. Vol. 8, No. 6, Sept. 59 Unclassified



Complexometry in organic analysis. VII. Determination of organic bases by means of a cadmium EDTA complex. Coll Cz Chem 25 no.1: (EEAI 9:12)

76-85 Ja *6C.

1. Forschungsinstitut fur Pharmazie und Biochemie, Prag. (Complex compounds) (Organic compounds) (Cadium) (Ethylenedinitrilotetraacetic acid)

Metallochrome indicators. VIII. Physicochemical examination of xylenol orange and some of its chelates. I. Dissociation constants of xylenol orange. Coll Cz chem 25 no.3:797-810 Mr '60. (EEAI 9:12)

1. Metallurgisches Institut, Tschechoslowakische Akademie der Wissenschaften und Forschungsinstitut für Pharmazie und Bicchemie, Prag.

(Indicators and test papers)
(Xylencl erange)
(Chelatometry)
(Metals)

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Metallochrome indicators. IX. Indophenol complexon. Coll Cz Chem
25 no.4:1037-1043 Ap '60.

1. Spolana, Meratovice, Forschungsabteilung des Werkes, Irchema,
Brno und Forschungsinstitut fur Pharmazie und Biochemie, Trag.

(Indicators and test papers) (Indophenol)

(Complexona) (Metals)
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JANCIK, F.; KOREL, J.

Determination of 3-amino-6-alkylsulfoxypyridazines and their sulfon-amide derivatives. Cesk. farm. 11 no.6:305-308 J1 '62.

1. Vyzkumny ustav pro farmacii a biochemii, Fraha.

(SULFONAMIDES chem) (HETEROCYCLIC COMPOUNDS - chemistry)

HORACEK, J.; PECHANEC, V.; KORBL, J.

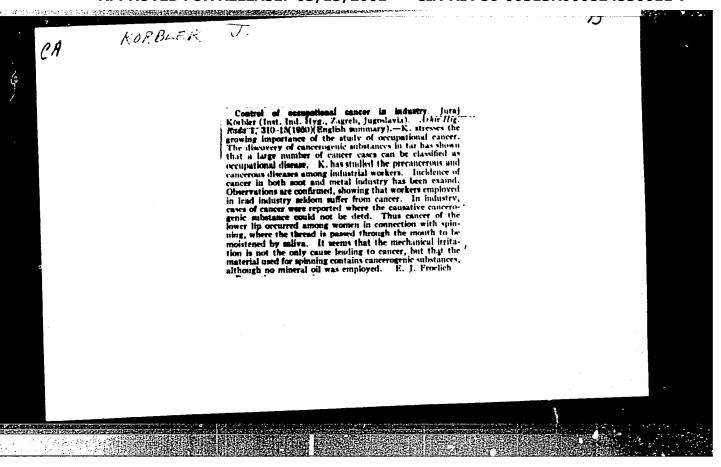
Determining carbon and hydrogen in organic compounds. Part 3: Efficiency of combustion catalysts in combustion of monoxide of carbon, n-heptane, and benzol. Coll Cz Chem 27 no.5:1254-1260 My '62.

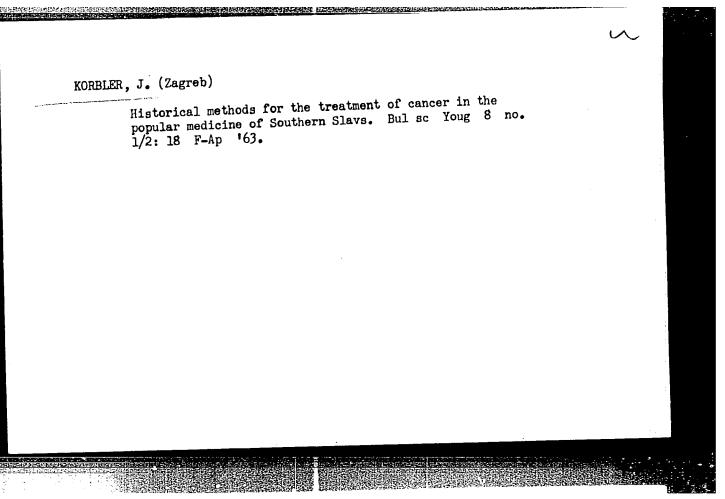
1. Institut fur Chemie and Biochemie, Tschechoslowakische Akademie der Wissenschaften, Prag, und Forschungsinstitut fur Pharmazie und Biochemie, Prag.

JANCIK, F.; KORBL, J.; HODONICKA J.

Determination of 5-ethyl-5- (1-methylbutyl)- thiobarbituric acid and its sodium salt. Cesk. farm. 13 no.2:70-73 F.64.

1. Vyzkumny ustav pro farmacii a biochemii, Praha.

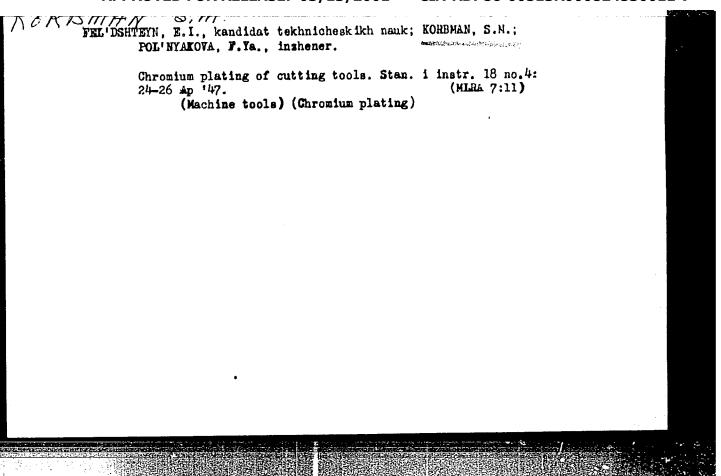


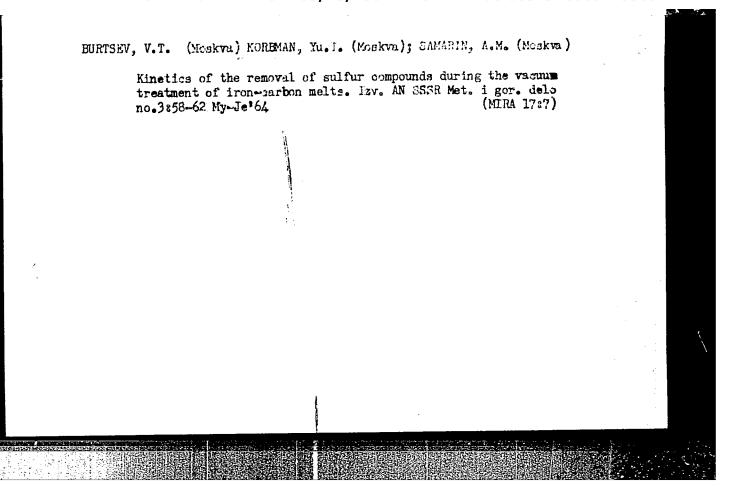


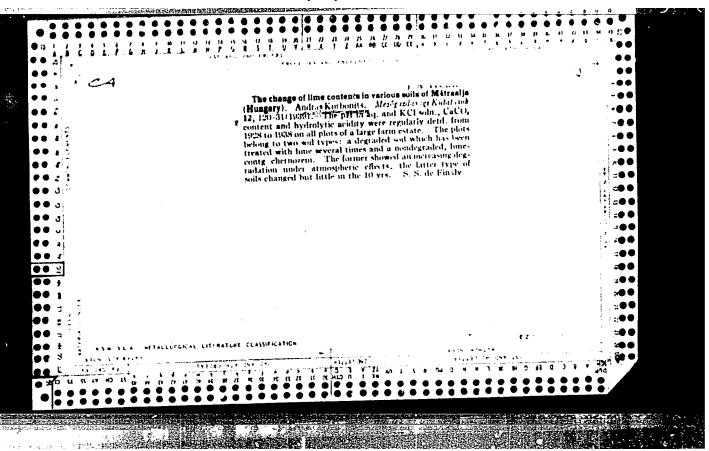
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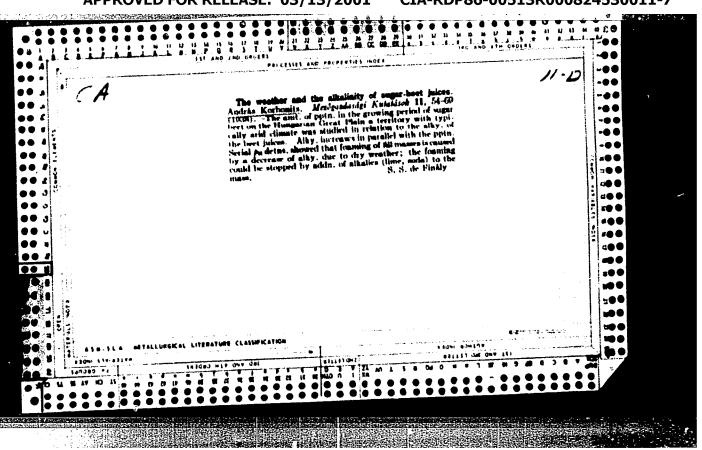
Treatment of gynecological cancers with radiocobalt. Gesk.
gyn. 21 no.3:170 Apr 56.

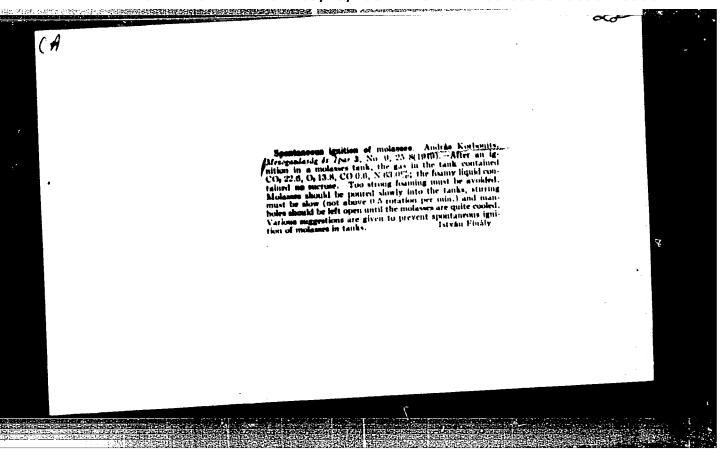
(COBALT, radioactive,
ther. of cancer of female genitalia. (Cz))
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ther., radiocobalt. (Cz))

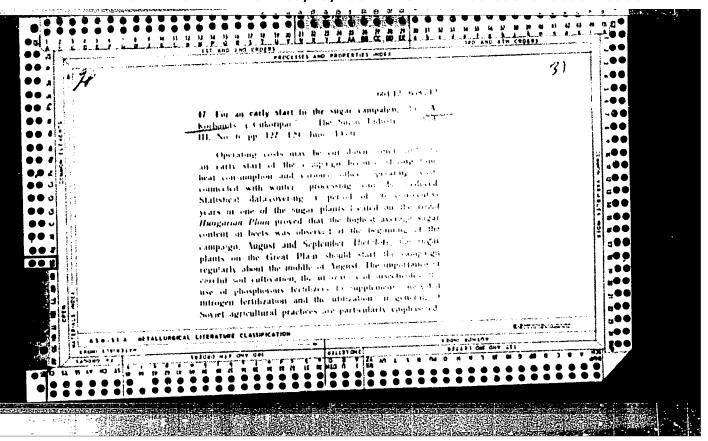




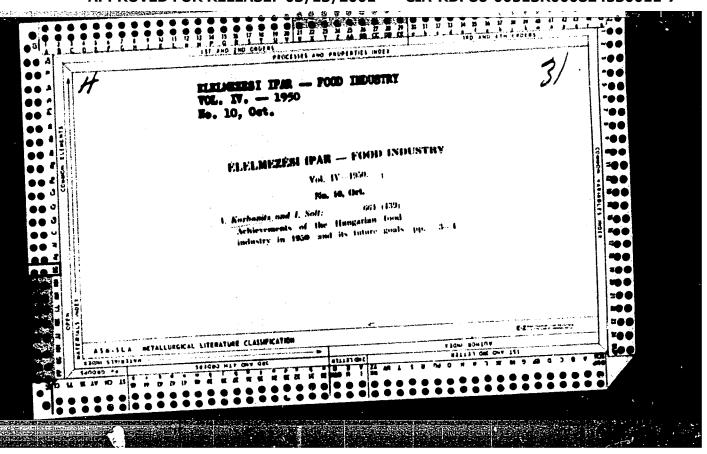


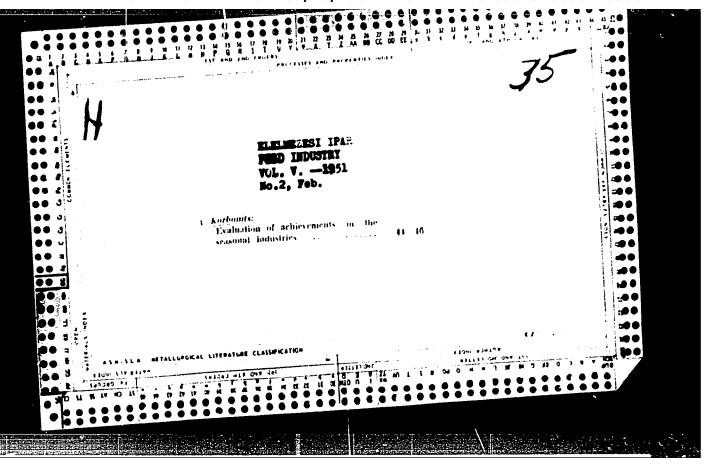


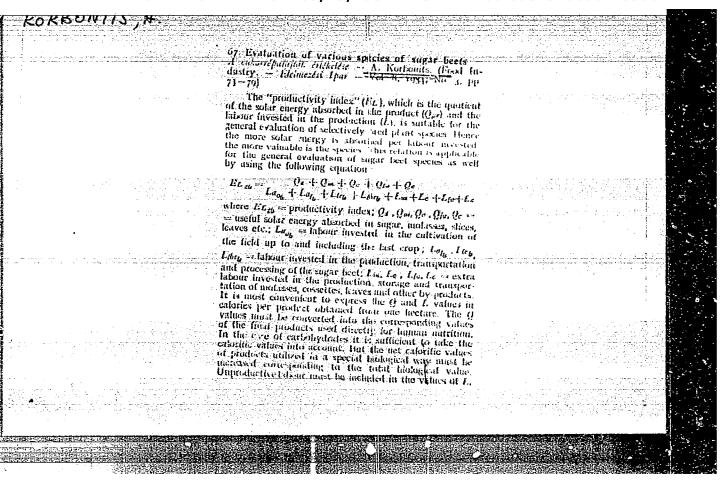




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KORBONICH, ANDRAS

HUNGARY/Cultivated Plants. Potatoes. Vegetables. Melons

M-5

Abs Jour : Ref Zhur - Biol., No 1, 1958, No 1603

Author : Andras Korbenich

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Title : Study of Touto Varieties.

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Abstract : No abstract

Card : 1/1

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Problems of raw material in processing tomatoes. p. 113. ELEIMEZESI IPAR. (mezogazdasagi Ipari Tudomanyos Egyesulet) Budapest. Vol. 10, no. 4, Apr. 1956.

SOURCE: East European Accessions List (EEAL) Library of Congress Vol. 5, no. 8, August 1956

KORBONITS, A.

Circulation of the periodical Muszaki Lapszemie, Elelmiszeripar. p. 358.

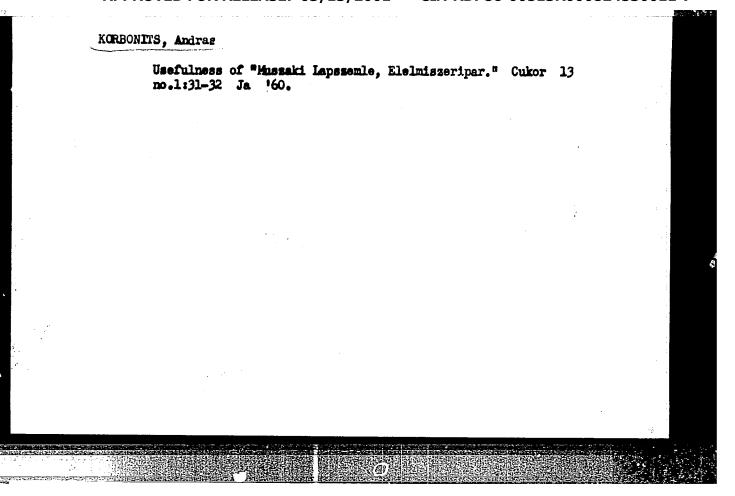
ELEMEZESI IPAR. (Mezogazdasagi es Elemiszeri-pari Tudomanyos Eygesulent) Budapest, Hungary. Vol. 13, no. 11, Nov. 1959.

Uncl.

KORBONITS, Andras

The circulation of the periodical "Muszaki Lapszemle, Elelmiszer-ipar." Elelmipar 13 no.11:358-359 N '59.

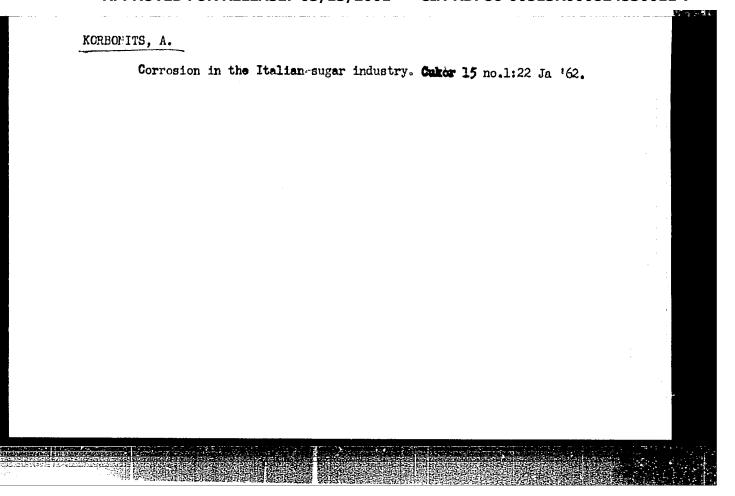
1. Kozponti Elelmisseripari Kutato Intezet.

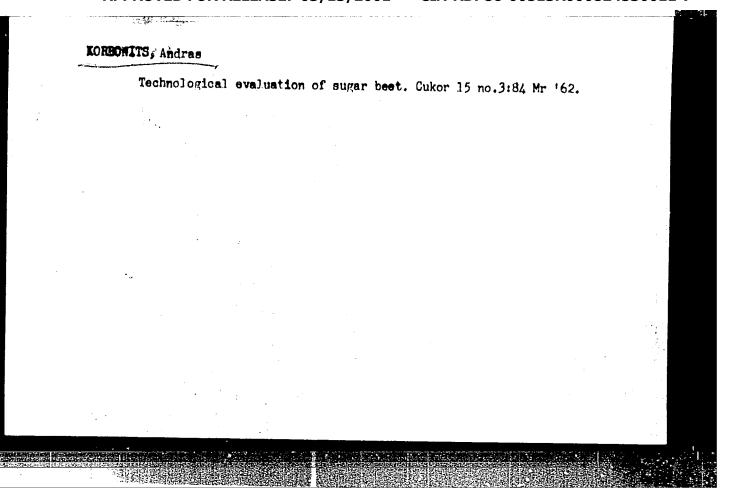


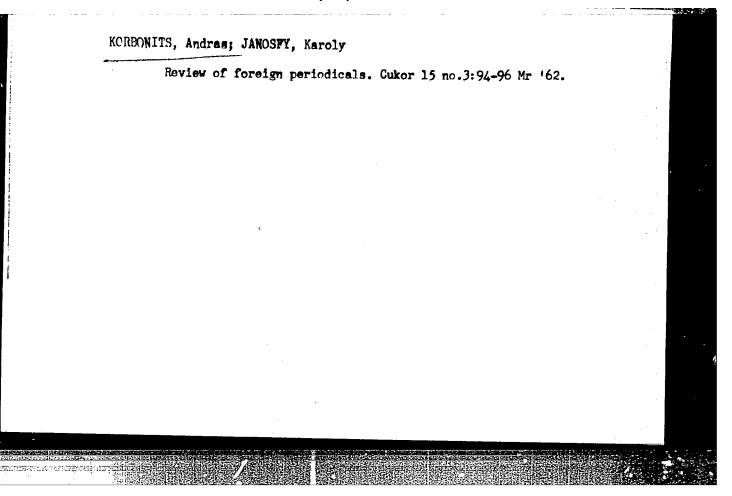
VUKOV, Konstantin, dr.; KORBONITS, Andras

Foreign periodical review. Cuker 14 no. 11:320-323 of cover. N '61

1. "Cukoripar" szerkeszto bizottsagi tagja (for Vukov).







VUKOV, Konstantin, dr.; KORBONITS, Andras; FALVAI, dr.

Foreign periodical article reviews. Cukoripar 15 no.5:156-158 My 162.

1. "Cukoripar" szerkeszto bizottsaganak tagja (for Vukov).

Some problems relating to sugar losses in the Soviet sugar industry. Cukoripar 15 no.5:158-160 My '62.

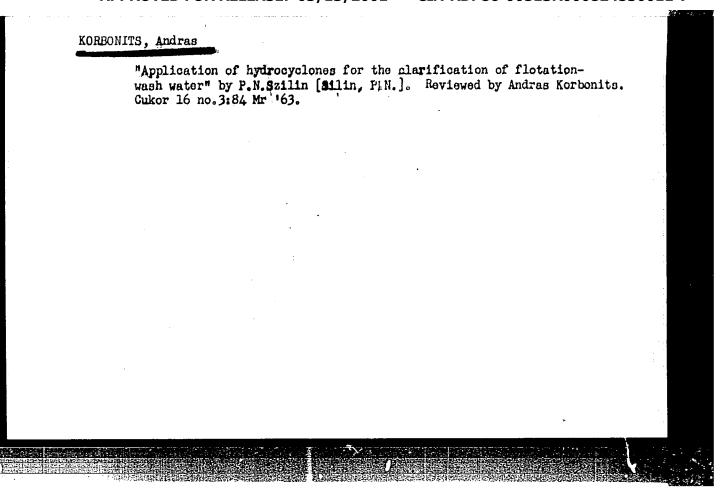
"Base beet storage" by A.V.Vishnevskiy. Reviewed by Andras Korbonits.
Gukor 15 no.10:307-308 0 162.

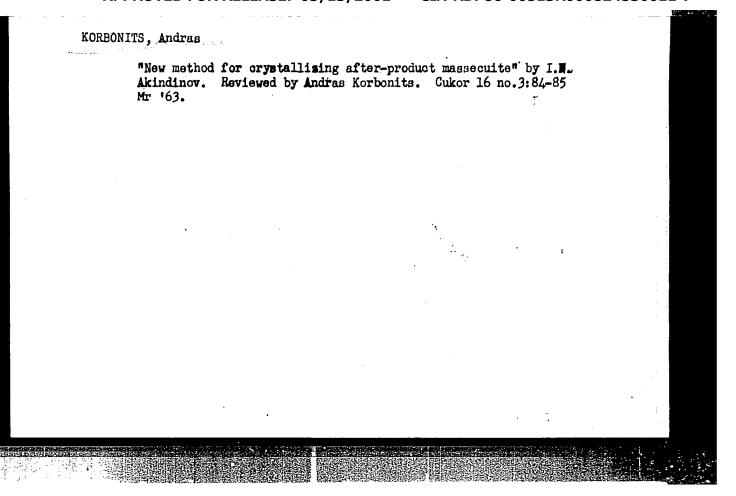
KORBOHITS, Andras

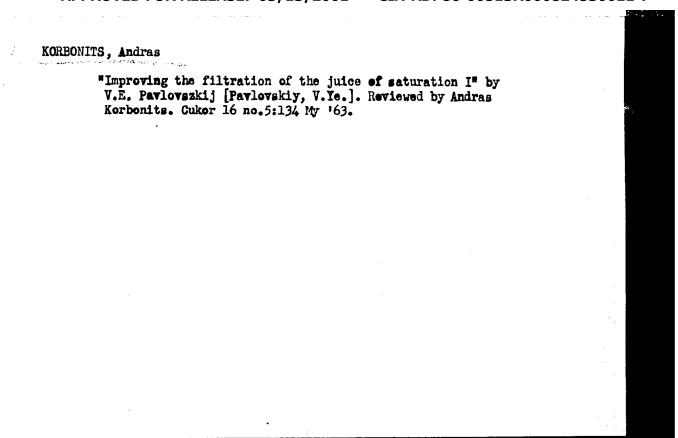
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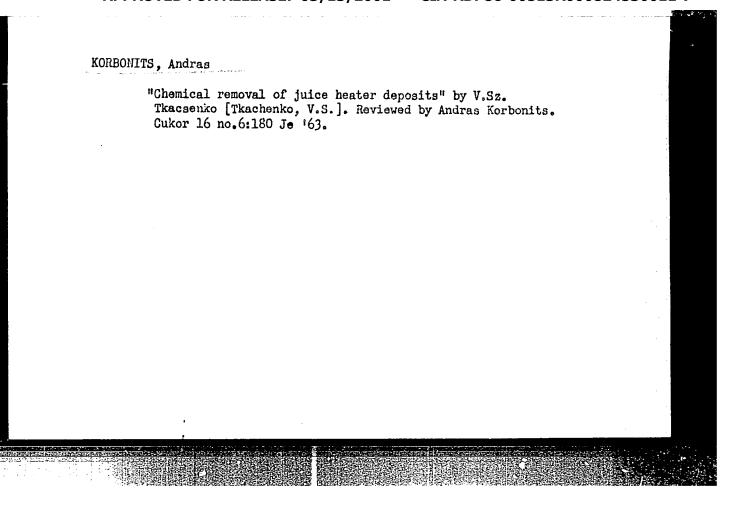
French terminology of the sugar industry. Cukor 14 no.5: 125-130 My '61.

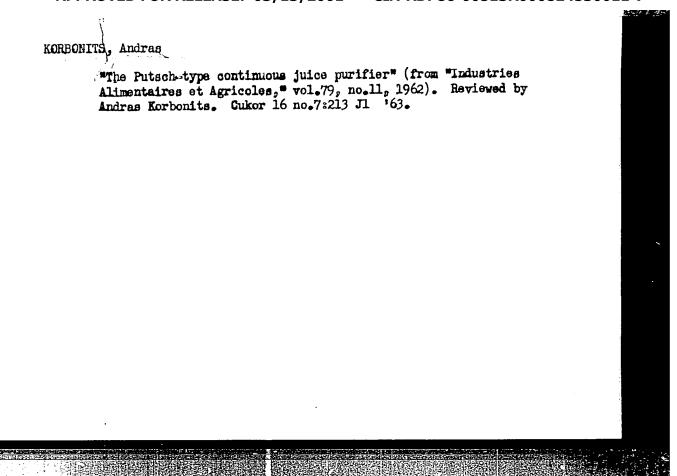
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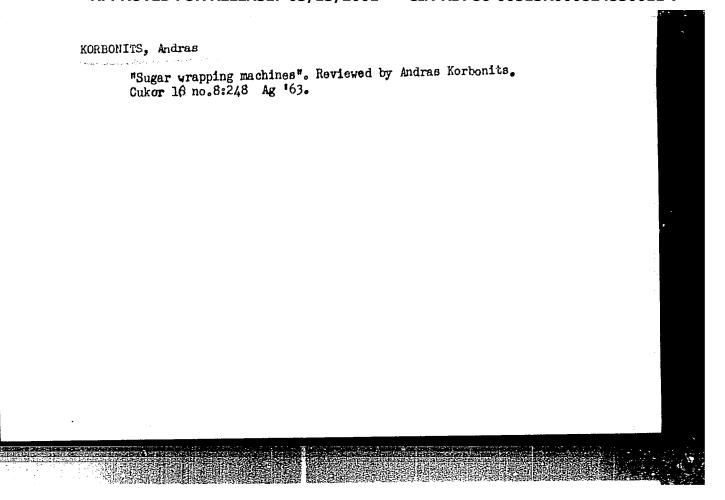


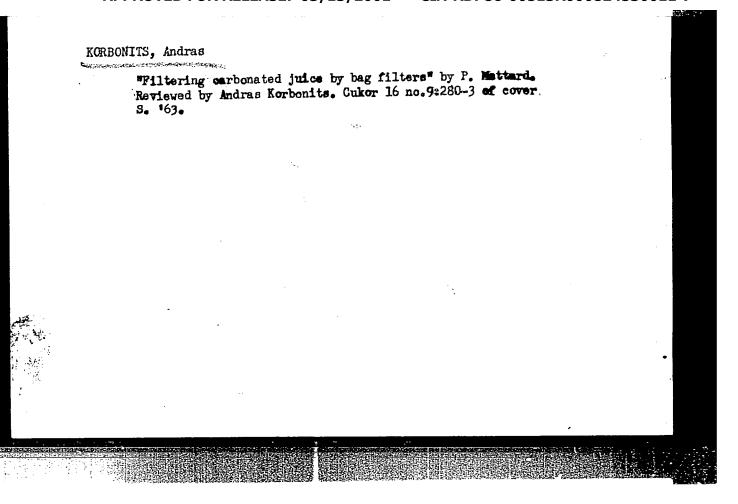


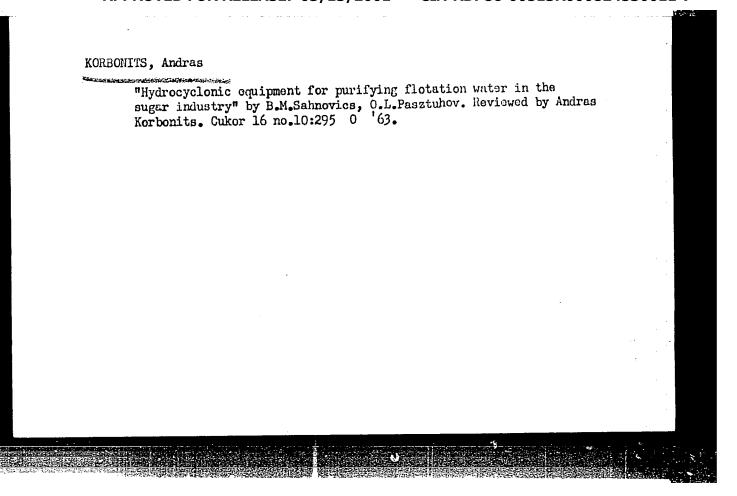






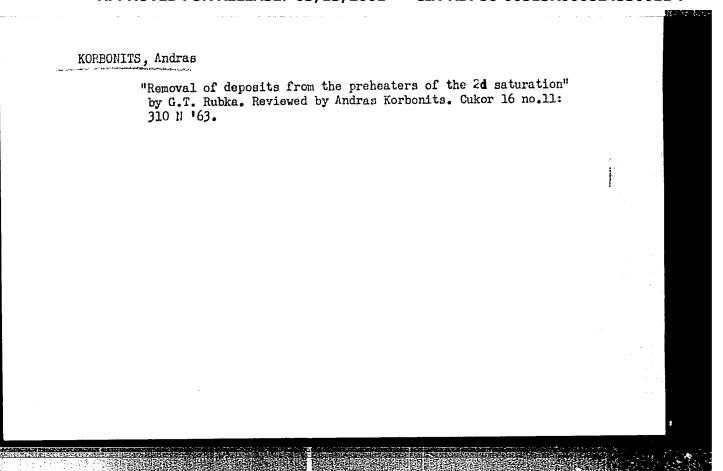


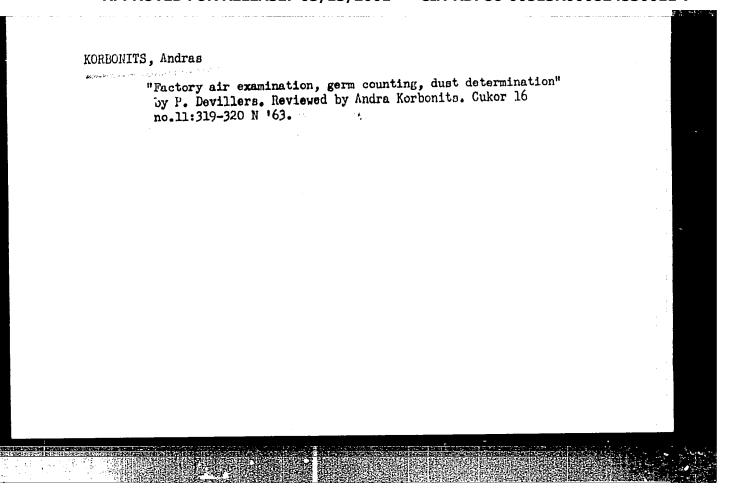




KORBONITS, Andras

"Drying of granulated sugar and its effect on storage and transportation" by T.Rodgers, C.Lewis. Reviewed by Andras Korbonits. Cukor 16 no.10:300-301 0 163.

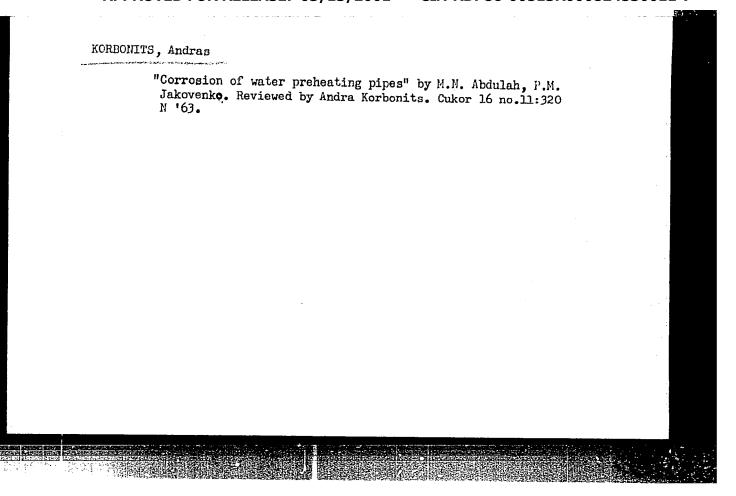




KORBONITS, Andras

"Reinforced concrete sugar silos" by F. De Dominicis.

Reviewed by Andras Korbonits. Cukor 16 no.11:320-3 of cover N '63.



KORBONITS, Andras

"Significance of nonsugar substances in the preparation of refined sugar" by J. Paul (from Industries Alimentaires et Agricoles", vol. 79, no.7/8, 1962). Reviewed by Andras Kerbonits. Cukor 16 no.5: 140 My *63.

1. Cukoripari Kutatointezet.

**KORBONITS, Andras

"Safety rules for the treatment of hydrochloric acid, formaldehyde, caustic soda and their solutions" by Farhi, Morel, Cavigneaux. Reviewed by Andras Korbonits. Cukor 17 no. 1: 31-32 Ja '64.

